

MARKING PRESCRIPTION
Newberry Management Unit
Compartment 108 Stands 85 and 88
Luce County
T45N R11W Section 36 – S1/2

TASKS: Mark stands 85 and 88 for cutting. Mark cutting boundaries and determine stand acreage. Map boundary line placement using GPS. The total approximate size of both stands is 83 acres with an estimated perimeter of boundary line being 175 chains red and 30 chains interior green lines. Co Rd 468 will be part of stand boundary and will only need minimal confidence paint along it. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: The stand is approximately 3 miles east of McMillan and 3½ miles south of M-28, and can be accessed by county roads 458, 431, and 468. (See inventory map).

STAND DESCRIPTION: Stand 88 consists mainly of high quality unevenaged northern hardwoods (average dbh >14"). The understory in this stand is thick northern hardwoods regeneration (1-3"dbh), but there is some balsam fir in places. Average Basal Area is 100 square feet.

Stand 85 is very variable as to density and quality (average dbh 8-14"), and there will be areas with conifer species scattered within. Rolling terrain throughout the stand. The ORV trail runs through the stand also. Average Basal Area is 100 square feet.

TREATMENT OBJECTIVES: Stands 85 and 88 will be selectively marked with the objective of retaining and releasing northern hardwood crop trees or best quality trees on site, promoting growth of new regeneration, releasing quality regeneration and decreasing the number of defective or low quality trees. This will help move the residual stand towards regulation. Retain minor species components of the stand to promote diversity. Also some important wildlife trees should be retained, along with any white pine and hemlock.

BOUNDARY LINE PRESCRIPTION:

1. Establish and map boundary line (red paint) placement using a GPS.
2. Establish payment unit boundary lines (green paint).
3. Determine stand acreage.

MARKING PRESCRIPTION (stand 85,88):

1. Create 3–5 30-foot regeneration gaps per acre. Mark all trees 1" DBH and larger from regeneration gaps.
2. The residual BA excluding small regeneration gaps shall be 75 – 85 sq. ft.
3. Leave 1–2 beech mast trees and cherry clumps per acre.
4. Favor any yellow birch to promote their regeneration.
5. Manage for the best tree in place, regardless of species.
6. Mark trees to be cut with yellow paint. Species most prevalent are: maple (red and sugar), beech, yellow birch, and/or black cherry.
7. All aspen and balsam fir will be cut. Trees do not have to be marked, just tallied.
8. Do not mark any white pine or hemlock.
9. Protect all survey corners and bearing trees present.

10. If hawk nests are discovered within the stand while any portion of the marking prescription is being accomplished, the Unit Office will be notified immediately to determine what action needs to be taken.

Volume Determination:

1. 100%, by species, tally on all marked sawlogs. Sawlogs are cruised to a 10" top d.i.b. Sawlog trees are to be marked with an "X" and dots painted to coincide with the amount of sawlogs tallied in the tree. Large hardwood pulp > 12" should be 100% tallied separately and marked with an "X" on the tree. In addition, do a 1:10 tally on any aspen and balsam fir.
2. Cruise all marked small hardwood pulp with a 10 BA factor prism at a spacing of 3x5 chains (1 plot per 1.5 acres), in an east-west pattern. Mark the exact plot center, placing a stick in the ground, and flagging it with ribbon. Mark the ribbon with the corresponding plot number. Keep cruise and marking tallies separate by unit.

A meeting will be held between the contract administrator and the contractor before work begins to cover questions and other specifics. Contact administrators at the Newberry Field Office are:

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